AtmoCheck®WELD O_2/CO_2 and its included accessories are supplied in an attractive hard cover case for safe transport, with all parts ready for immediate use.

AtmoCheck® WELD O_2 / CO_2

for checking inert and forming gases

AtmoCheck®WELD O_2/CO_2 is a handy battery-operated analyser that is ideal for use in welding and for monitoring high-purity gas supply e.g. in the semiconductor industry and pipeline construction. Checking the inert and forming gas is crucial because a lack of active gas components in the inert gas, which can be carbon dioxide or oxygen, will make the light arc unstable, leading to substandard welding.

AtmoCheck®WELD O_2/CO_2 is designed for checking the residual oxygen level in inert and forming gases. Oxygen can be absorbed not just from the ambient atmosphere but also by adsorbing surfaces so that the use of hydrogen as a reducing gas component is beneficial: this can be used in varying concentrations.

AtmoCheck®WELD O_2/CO_2 is therefore suitable when using H_2 levels of up to 10%.

In practice, regular testing of standard gasses and gas mixtures is needed to verify their precise composition and purity in use, such as e.g. to:

argon, inert gas
nitrogen, slow-responding gas
nitrogen/hydrogen mixtures, reducing
argon/hydrogen mixtures, reducing
argon/nitrogen mixtures, addition of nitrogen to duplex steels

AtmoCheck®WELD O_2/CO_2 is used for optimised monitoring of inert gas mixtures containing CO_2. At the same time both O_2 and CO_2 concentrations are accurately measured and recorded.

AtmoCheck®WELD O_2/CO_2 excels with easy operation, short measuring times, and low gas volume sample requirement.

The integrated data logger supports traceability and provides complete documentation.

The AtmoCheck® software permits fast, uncomplicated communication, and is safe and easy to use. It is equipped with all facilities for converting handwritten measurements to electronic records.

All highlights at a glance

- Simple, intuitive handling
- Simple transfer and analysis of measurement data
- Alarm and data logger suitably pre-configured for every kind of quality control
- Simple cleaning and long service life due to robust design
- Safe handling thanks to ergonomic concept
- Simple set-up by means of to included data logger software
- O_2, CO_2 and N_2 display
- Low volume of sample gas required for measurement
- Integrated measurement memory stores for the last 1000 measurements
- Measured data can be processed in MS- Excel at any time
- Cordless and mobile due to battery operation
- USB port for easy data transfer and battery recharging
- Simple one-handed handling
- Large, clear illuminated graphic display

Accessories and technical details see reverse

AtmoCheck® WELD O_2 / CO_2 in handy case including complete accessories

AtmoCheck® WELD O_2/CO_2
in case:
weight approx. 1.5 kg
including content

Top side of handheld device: USB Port and mains adapter

The AtmoCheck® WELD O_2/CO_2 charger for the integrated battery comes complete with power-plug adapters for most EU and other countries.

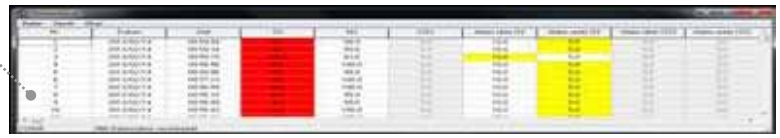
Data lead USB 2.0
Approx. 1 m long

2 intake filters

Underside of handheld device: hose connection

Flexible connection hose
approx. 1.5 m long

The AtmoCheck® WELD O_2/CO_2 manual as PDF on the supplied USB stick, for printing or electronic scrolling



The AtmoCheck® WELD O_2/CO_2 data logger software for fast, uncomplicated communication. Simply install from the supplied USB stick.

Technical details

Measuring principle	O_2 electrochemical measuring cell*	Software	AtmoCheck® data logger software
Measuring range	0-25%; in 0.01% steps	Temperature	Gas/ambient 5-40°C
CO_2 measuring principle	NDIR CO_2**	Display	Backlit graphic display
Measuring range	0-100% in 0.1% steps	Shutdown	Automatic when not used for 2 minutes
Measuring time	Can be selected, approx. 10-60 sec.	Housing	Shock-resistant plastic
Calibration	Simple 2-point calibration	Weight	Approx. 425 g (without accessories)
Measurement	Automatic flexible connection lead with integral pump	Dimensions	(HxWxD) 187x106x91 mm (without needle)
Measurement memory	Circulating memory for 1000 measurements	Power supply	Integrated rechargeable battery (battery charger included in scope of supply)
Interface	USB port	Battery charger	110-240 VAC
Standards/building regulations: company certified to ISO 9001			

CE marking as per
- EMV 2004/108/EG
- Low voltage directive 2006/95/EG

* estimated service life of O_2 sensor in air max. 2 years
** estimated service life of CO_2 sensor min. 5 years depending on ambient conditions